

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P252767

Luminaire Tested: **LD6B15D010 EU6B10208035 6LBBA1MW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P252767  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1712-453-2)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LD6B15D010 EU6B10208035 6LBBA1MW  
Description: PORTFOLIO 6 INCH BAFFLE RECESSED DOWNLIGHT, WITH MATTE WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1912.0 lumens  
Efficiency: N/A  
Efficacy: 132.9 lumens/watt  
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

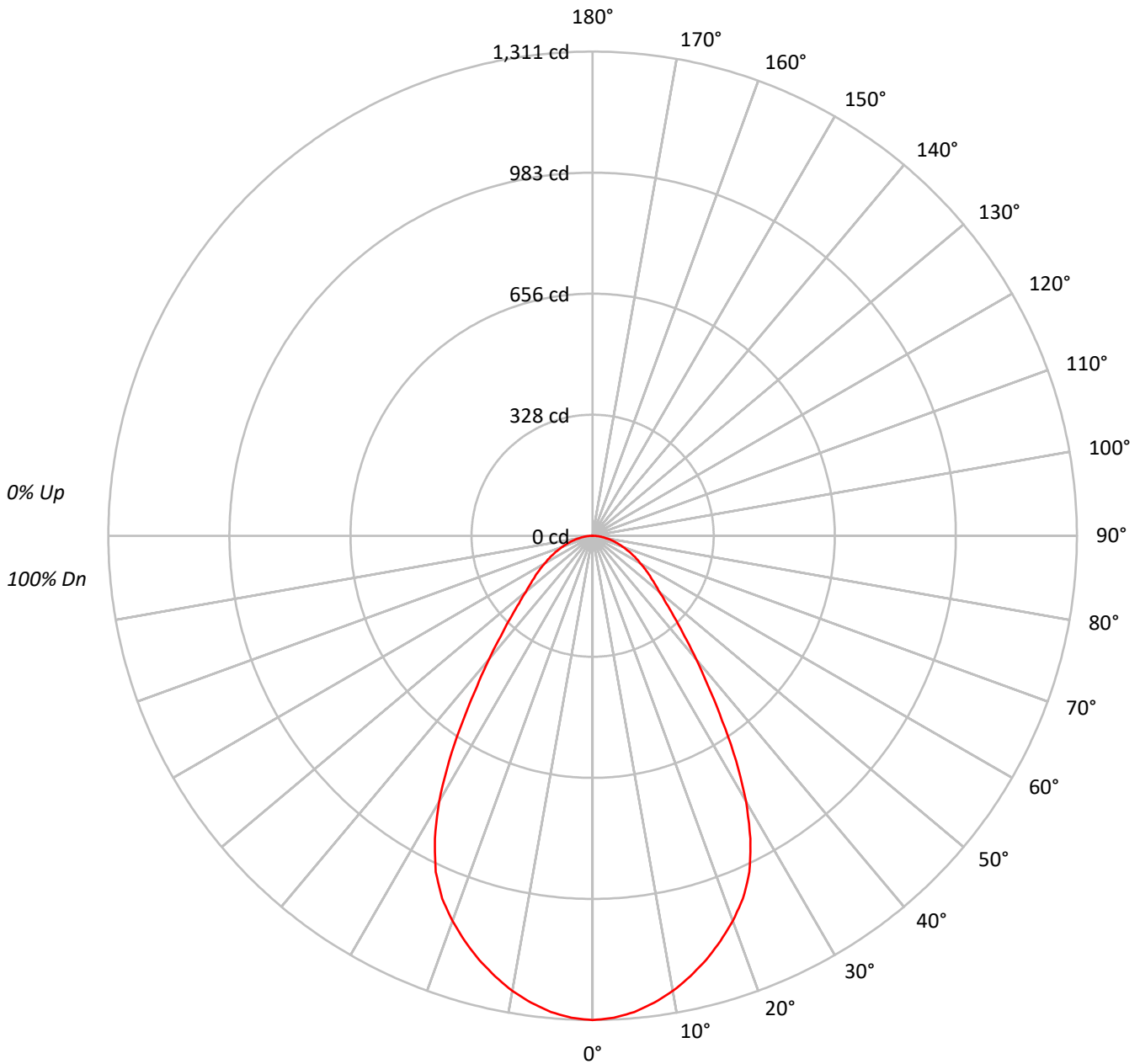
Input Watts (W): 14.39  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88			88
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			78
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			69
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62			62
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56			56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51			51
7	74	62	55	49	72	61	54	49	60	53	49	59	53	49	57	52	48	47			47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	53	48	44	43			43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39			39
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37			37

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	85557
5°	84770
10°	82902
15°	80274
20°	77030
25°	72309
30°	62572
35°	48718
40°	37030
45°	28869
50°	23943
55°	21486
60°	19559
65°	18046
70°	16595
75°	15376
80°	13901
85°	12725



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.2	6.4
10°-20°	333.9	17.5
20°-30°	454.8	23.8
30°-40°	384.8	20.1
40°-50°	246.9	12.9
50°-60°	169.9	8.9
60°-70°	116.0	6.1
70°-80°	64.6	3.4
80°-90°	18.9	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	910.9	47.6
0°-40°	1295.7	67.8
0°-60°	1712.5	89.6
0°-90°	1912.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1912.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1311	
5°	1294	122
15°	1188	334
25°	1004	455
35°	612	385
45°	313	247
55°	189	170
65°	117	116
75°	61	65
85°	17	19
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1311.4
2.5°	1306.4
5°	1294.4
7.5°	1275.4
10°	1251.4
12.5°	1221.4
15°	1188.5
17.5°	1150.5
20°	1109.5
22.5°	1063.5
25°	1004.5
27.5°	924.6
30°	830.6
32.5°	722.7
35°	611.7
37.5°	514.8
40°	434.8
42.5°	367.8
45°	312.9
47.5°	269.9
50°	235.9
52.5°	209.9
55°	188.9
57.5°	168.9
60°	149.9
62.5°	132.9
65°	116.9
67.5°	101.0
70°	87.0
72.5°	73.0
75°	61.0
77.5°	49.0
80°	37.0
82.5°	27.0
85°	17.0
87.5°	7.0
90°	0.0



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— 0°-180°







(END OF REPORT)